Dry Type Spray Booth

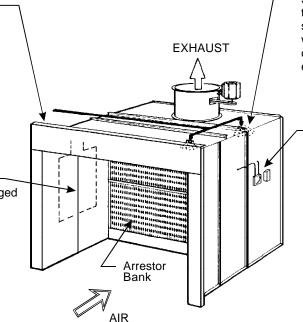
Major Mandatory Requirements 29 CFR 1910.107

FRONTAL AREA

Each spray booth having a frontal area larger than 9 square feet shall have a metal deflector or curtain not less than 2 1/2 inches deep installed at the outer edge of the booth over the opening.

CONVEYORS

Where conveyors are arranged to carry work into and out of spray booths, the conveyor openings shall be as small as practical.



Space within the spray booth on the downstream and upstream sides of filters shall be protected with an automatic sprinkler, dry chemical, or carbon dioxide extinguishing system.

Visible gauges or audible alarm or pressure-activated devices shall be installed to indicate or insure that the required air velocity is maintained.

ACCESS DOORS

When necessary to facilitate cleaning, exhaust ducts shall be provided with an ample number of access doors.

ARRESTOR BANK

All discarded filter pads and filter rolls shall be immediately removed to a safe, well-detached location or placed in a water-filled metal container or disposed of at the close of the day's operation unless maintained completely in water.

The average air velocity over the open face of the booth (or booth cross section during spraying operations) shall be not less than 100 fpm; for electrostatic spraying, the minimum velocity is 60 fpm.

MINIMUM SEPARATION

There shall be no open flame or spark producing equipment in any spraying area nor within 20 feet thereof, unless separated by a partition.

CONSTRUCTION

Spray booths shall be substantially constructed of steel, securely and rigidly supported, or of concrete or masonry except that aluminum or other substantial noncombustible material may be used for intermittent or low volume spraying.

INTERIORS

The interior surfaces of spray booths shall be smooth and continuous without edges and otherwise designed to prevent pocketing of residues and facilitate cleaning and washing without injury.

DISCHARGE CLEARANCE

Unless the spray booth exhaust duct terminal is from a water-wash spray booth, the terminal discharge point shall be not less than 6 feet from any combustible exterior wall or roof nor discharge in the direction of any combustible construction or unprotected opening in any noncombustible exterior wall within 25 feet.